## 1116 SURVEY TASK LIST

ADOT SPEC	ADOT SPEC	ACTIVITY		SURVEY	
SECTION	WORK ITEM	DESCRIPTION	INSPECTOR	CREW	FREQUENCY
201	Clearing &	Check staking limits w/ right-angle			
	Grubbing	prism and 100 foot chain.			
			Х		Beginning of job.
202	Remove Structures				
LUZ	& Obstructions				
		Measurements & records.	Χ		Prior to removals.
203 / 204	Earthwork	Review plans; check Contractor's			
2007 201	Lannon	survey staking:			
		check catch points		Χ	500 foot maximums.
		check 90 degree		Χ	500 foot maximums.
		angles			
		check slope stakes		Χ	500 foot maximums.
		check alignment		Χ	500 foot maximums.
		Spot -check slopes w/hand level.	Χ		As needed, 500 ft. max.
		Check each progressive lift depth.			
			Χ		As needed, 500 ft. max.
205	Grading Roadway	Check Contractor bluetop survey			
	for Pavement	staking.		Χ	200 foot average.
		Stringline all bluetops.	Χ		All.
301 to 304	Subgrades,	Subgrade only: check Contractor			
301 10 304	Subbases, and	survey control bluetops.			
	Bases	Subbases & bases: check bluetops.		Χ	200 foot average.
	24000	Stringline each lift of subgrades,		,	200 loot avolago.
		subbases, and bases.		Χ	By request only.
			Х		All.
305	Lean Concrete	Check horizontal & vertical alignment			
	Base	of wire staking.		Χ	200 foot maximum.
		Check hub & tack control with			
		plumbline and stringline.	Χ		100 foot intervals.
401	Portland Cement	Check horizontal & vertical alignment			
101	Concrete Pavement	of wire staking.		Χ	200 foot maximum.
	Control of avoinging	Check hub & tack control with		,	200 loot maximam.
		plumbline and stringline.	Х		100 foot intervals.
		. 3			
402	PCCP Repairs	Measure, locate, record work.	Χ		As required.
406 to 409	Asphaltic Concrete	Check depths & offsets, stationing,			
406 to 408					
406 to 408	Classes	and straightedging.			

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ADOT SPEC	ADOT SPEC	ACTIVITY	MODEOTOR	SURVEY	EDEOLIENOV
501 / 502	WORK ITEM	DESCRIPTION Check Contractor's guryou gut	INSPECTOR	CREW	FREQUENCY
501 / 502	Pipes, Culverts, and Drains	Check Contractor's survey cut stakes: vertical and horizontal			
	and Diams	control.	Χ		Short runs - both ends.
		Use appropriate survey instruments.	^	Х	All large sizes, long runs; others
		, , , , , , , , , , , , , , , , , , ,			by request only.
		Check pipe excavation and backfill			
		using hand level, watch grade			
		checker.	Х		Check each advance.
500 to 505	Octob Books	Observation of the second of t			
503 to 505	Catch Basins,	Check position: alignment &		V	Charle only upon request
	Standpipes, Manholes	elevations.  Verify conformance with design.	Χ	Х	Check only upon request.
	Warmores	verily comormance with design.	X		Field verify each location.
601	Concrete	Forms/soffit/falsework: verify edge of			
	Structures: Bridges	deck horizontal and vertical control.			
		Check offsets, grades, screeds from	Χ	Χ	Check every structure.
		control.			
		Abutments & piers: check location &			Check all items.
		elevation of foundations prior to		Х	Charle avery etweeture
		major pours.  Bearing pads: check initial placement		٨	Check every structure.
		and control points, prepare as-builts.		Χ	Verify layout at beginning of job
		and control points, propare as sums.		^	only, and by request thereafter.
					,,,,
		Check bearing pads prior to			
		concreting.	Χ		Subsequent construction.
		Check approach and anchor slabs.		Х	By request only.
		Bid-Well: provide fill marks for			
		Inspector to check bid-well initial		V	Varify layers at handrain an aftish
		setup.		Χ	Verify layout at beginning of job only, and by request thereafter.
					only, and by request therealter.
		Continue progress checks: depths,			
		joint locations, etc.	Χ		Subsequent construction.
601 (Cont'd)	Concrete	Check Contractor's initial staking,			Verify layout at beginning of job
	Structures: Walls	check footings placement &			only, and by request thereafter.
	and Misc.	elevations, etc.		Х	
		Check locations & grades; check all			
		wall forms and miscellaneous structures for plumbness and			
		alignment.	Х		Check all items.
		anguittoria.	^		Chook all Rollio.
603 & 609	Pilings & Drilled	Check Contractor's survey control			
	Shaft Foundations	hubs, check elevations and			
		horizontal placement.		Χ	Initially all, then random.
		Check lines and grades.	Χ		Check all structures.

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ADOT SPEC SECTION	ADOT SPEC WORK ITEM	ACTIVITY DESCRIPTION	INSPECTOR	SURVEY CREW	FREQUENCY
604	Steel Structures	Forms/soffit/falsework: verify edge of		-	
		deck horizontal and vertical control.		Χ	Check every structure.
		Check offsets, grades, screeds from			Check all items.
		control.	Χ		
		Abutments: initial location &			
		elevation.		Χ	Check every structure.
		Bearing pads: check initial placement		v	
		and control points, prepare as-builts.		Х	Verify layout at beginning of job
		Check bearing pads prior to			only, and by request thereafter.
		concreting.	Χ		Subsequent construction.
		Bid-Well: provide fill marks for	٨		Subsequent construction.
		Inspector to check Bid-Well initial			
		setup.		Χ	Verify layout at beginning of job
					only, and by request thereafter.
		Continue progress checks: depths,			,,
		joint locations, etc.	Χ		Subsequent construction.
		,			·
606 to 608	Sign Structures &	Check installation layouts, foundation			Verify layout at beginning of job
	Support	elevations, and slopes.		Χ	only, and by request thereafter.
		Check lines and grades.	Χ		All major units.
801 to 804	Landscape	Check Contractor survey control			
	Earthwork	bluetops.		Χ	By request only.
		Inspect final grading & depth of soil.	Х		All.
808 / 809	Water Distribution &	Check Contractor's survey cut stakes:			
0007 000	Sewer System	vertical and horizontal control.	Χ		Short runs - both ends.
					All large sizes, long runs; others by
		Use appropriate survey instruments.		Χ	request only.
		Check pipe excavation and backfill using	3		,
		hand level, watch grade checker.	Χ		Check each advance.
902 / 903	Fences	Check layout work & measure for payme	ent. X		Prior to and when complete.
905	Guardrail	Check Contractor's layouts.		Χ	By request only.
		,			, ,
		Check layout and placement.	Χ		Subsequent construction.
908	Curb & Gutter	Check alignment & grade control points.		Χ	Only if C & G is placed prior to paving;
			Χ		otherwise checked by Inspectors.
909	Survey	Check Contractor's survey on permanen	ıt		
	Monuments	section corner replacements & similar.		Χ	Verify all key monuments.
910	Concrete Barriers	Check placement and dimensions.	Χ		All critical points.
044	Pinks (W	Observation		.,	Martha all according
911	Right-of-Way	Check placement.		Х	Verify all markers.
	Markers				

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ADOT SPEC	ADOT SPEC	ACTIVITY		SURVEY	
SECTION	WORK ITEM	DESCRIPTION	NSPECTOR	CREW	FREQUENCY
914	Sound Barrier	Check Contractor's initial staking, check			
	Walls	footings placement & elevations, etc.		X	Verify layout at beginning of job only, and by request thereafter.
		Check locations, grades, and plumbnes	s. X		Check all structures.
925	Construction	Inspections and random checks as deta	iled		
	Surveying and	above per instructions of the Engineer (	per		
	Layout	the Specification).		Χ	As directed.

## GENERAL CONSTRUCTION-RELATED SURVEY ACTIVITIES

- Preliminary Design Reviews: geometrics, alignment, terrain, obstructions, constructability.
   Coordinate w/ADOT Photogrammetry on flights and mapping requests.
   Maintain right-of-way records.
   Review and check temporary construction easements.
   Support review and approval of permit requests.

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